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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6565 (1972): Stethoscope (foetoscope) for - Foetal Heart Sounds, Pinard's Pattern [MHD 3: Obstetric and Gynaecological Instruments and Appliances]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”





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Indian Standard

## SPECIFICATION FOR STETHOSCOPE (FOETOSCOPE) FOR FOETAL HEART SOUNDS, PINARD'S PATTERN

1. Scope — Dimensional and other requirements for stethoscope for foetal heart sounds, Pinard's pattern.
2. Shape and Dimensions — As shown in Fig. 1.

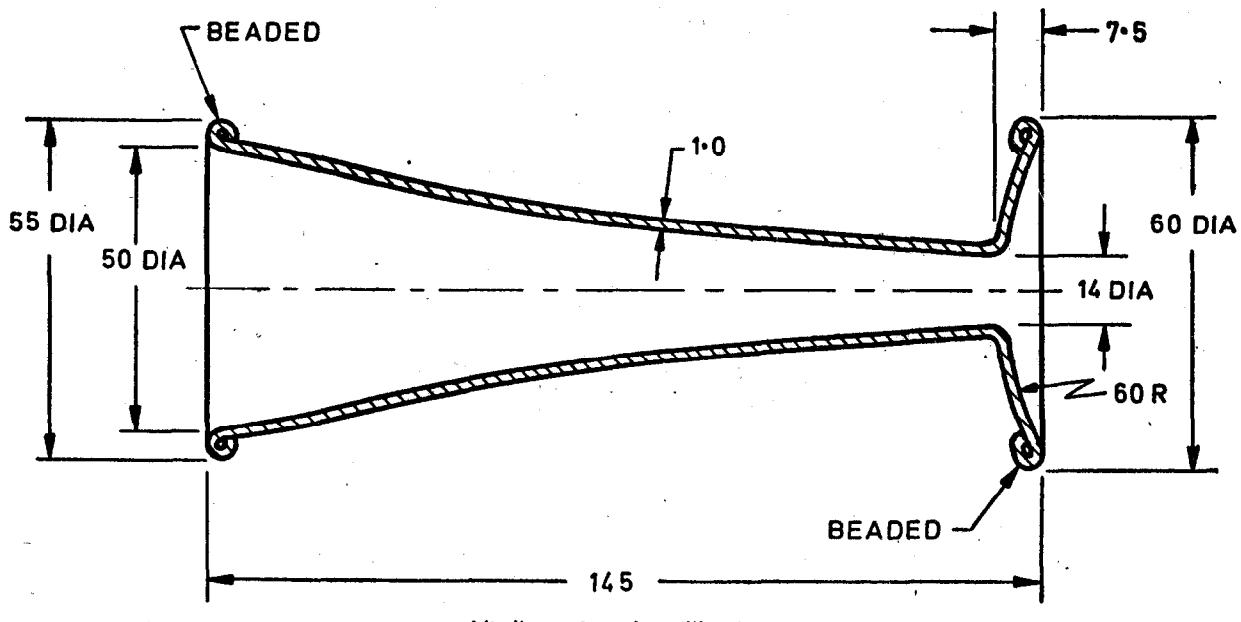


FIG. 1 STETHOSCOPE (FOETOSCOPE) FOR FOETAL HEART SOUNDS, PINARD'S PATTERN

### 3. Material

3.1 The stethoscope shall be manufactured from aluminium complying with IS : 21-1959 ' Specification for wrought aluminium and aluminium alloy for utensils ( second revision ) '.

### 4. Workmanship and Finish

4.1 The surfaces of the stethoscope shall be free from scales, burrs, pits and similar defects.

4.2 All the edges shall be smoothly rounded off and shall not be sharp.

4.3 The stethoscope shall have perfectly symmetrical dimensions around the central axis.

4.4 The rims of the foetal end and ear end shall each be in one plane.

4.5 The stethoscope shall be anodized ( silver finish ) in accordance with Grade AC 5 of IS : 1868-1968 ' Specification for anodic coatings on aluminium ( first revision ) '.

### 5. Tests

5.1 Press the stethoscope with hand with moderate degree of force at the foetal end. The stethoscope shall show no sign of damage or bending.

5.2 Place the stethoscope on a plain glass surface with the foetal end and ear end resting on the glass surface alternatively. The rims of the two ends shall touch the glass surface on all the points and there shall be no gap at any place.

5.3 The stethoscope shall be tested to hear heart beats or other body sounds from lungs, wind pipe, etc. The body sounds shall be clearly audible to the person using the stethoscope.

**6. Marking**

**6.1** Mark with the manufacturer's name, initials or recognized trade-mark.

**6.2 ISI Certification Marking** — Details available from the Indian Standards Institution.

**7. Packing** — The stethoscope shall be wrapped in moisture-proof paper or packed in polyethylene bags avoiding contact with one another.